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ABSTRACT

A continuous curve arch shape cross section leaching chamber made of molded thermoplastic has closely spaced corrugations and sidewalls which are perforated with slots which slope downwardly, from interior to exterior of the chamber. The slot height and or wall thickness vary with slot elevation from the base, so that a desired Soil Threshold Angle, that is shape which resists entry of surrounding soil, is achieved for all slots. Slotted wall thickness is less than about 2 times the thickness of the basic chamber wall thickness elsewhere. The chamber has properties and performance approximating prior art chambers, but has substantially less normalized and total weight.